

**DISPENSER AND PRESSURE/VACUUM CONVERTING MACHINE**

**ABSTRACT OF THE DISCLOSURE**

[0057] A pressure/vacuum converting machine converts a positive fluid pressure input into positive and negative fluid pressure outputs. The machine also stores energy from the positive fluid pressure input for driving additional fluid pressure outputs. In one application, the pressure/vacuum converter forms a part of a dispensing machine which employs the pressure of water delivered to the machine into positive and negative air pressures used to dispense a beverage.